

## IN THE CLAIMS

1. (Currently Amended) A method for resolving testcase collection inconsistencies between a testcase list ~~which includes testcases that have triggered harvest events within a simulation model~~, and a harvest hit table ~~which records harvest events that have been triggered during simulation of said simulation model~~, wherein said testcase list identifies testcases that have triggered harvest events during simulation of a simulation model, and said harvest hit table includes harvest event entries that associate harvest event identifiers with corresponding testcase identifiers, said method comprising:

updating said harvest hit table from a simulation client to include [[a]] harvest event entries that associate harvest events triggered by [[a]] testcases during simulation of said simulation model with testcase identifiers that identify the corresponding triggering testcases;

collecting testcase identifiers that identify one or more of said testcases within said testcase list; and

comparing testcases identified within said testcase list to testcases identified within said harvest hit table to determine inconsistencies therebetween.

2. (Currently Amended) The method of claim 1, wherein said testcase list is maintained by a ~~harvest~~ testcase server which collects harvest event testcases for said simulation model, said method further comprising:

retrieving harvest event data for said harvest event that has been triggered within said simulation client;

comparing said retrieved harvest event data with a list of harvest events that have previously been triggered within said simulation model; and

responsive to determining that said harvest event has not been previously triggered within said simulation model, delivering a testcase identifier identifying said testcase to said testcase server.

3. (Currently Amended) The method of claim 1, wherein said comparing ~~said testase list to said harvest hit table~~ step further comprises, responsive to finding a given harvest event entry within said harvest hit table that ~~does not~~ is associated with a testcase identifier that does not

correspond to a collected testcase within said testcase list, removing said given harvest event entry from said harvest hit table.

4. (Currently Amended) The method of claim 1, wherein said harvest hit table includes a single testcase entry for each triggered harvest event within said simulation model, said ~~comparing said testcase list to said harvest hit table~~ step further comprising, responsive to finding a collected testcase identifier in said testcase list which does not correspond to an entry within said harvest hit table, removing said non-corresponding testcase identifier from said testcase server.

5. (Currently Amended) The method of claim 4, wherein said harvest hit table is maintained by an instrumentation server, said removing said non-corresponding testcase identifier from said testcase server comprising including said non-corresponding testcase identifier in a redundant testcase list within said instrumentation server.

6. (Currently Amended) The method of claim 5, wherein said testcase server includes a harvest testcase bucket which maintains all testcases triggering harvest events for said simulation model, said method further comprising:

delivering said redundant testcase list from said instrumentation server to said testcase server; and

removing ~~testcases~~ testcase identifiers included within said redundant testcase list from said harvest testcase bucket.

7. (Currently Amended) A system for resolving testcase collection inconsistencies between a testcase list ~~which includes testcases that have triggered harvest events within a simulation model~~, and a harvest hit table ~~which records harvest events that have been triggered during simulation of said simulation model~~, wherein said testcase list identifies testcases that have triggered harvest events during simulation of a simulation model, and said harvest hit table includes harvest event entries that associate harvest event identifiers with corresponding testcase identifiers, said system comprising:

processing means for updating said harvest hit table from a simulation client to include ~~[[a]] harvest event~~ entries that associate harvest events triggered by ~~[[a]] testcases during simulation of said simulation model~~ with testcase identifiers that identify the corresponding triggering testcases;

processing means for collecting testcase identifiers that identify one or more of said testcases within said testcase list; and

processing means for comparing testcases identified within said testcase list to testcases identified within said harvest hit table to determine inconsistencies therebetween.

8. (Currently Amended) The system of claim 7, wherein said testcase list is maintained by a ~~harvest~~ testcase server which collects harvest event testcases for said simulation model, said system further comprising:

processing means for retrieving harvest event data for said harvest event that has been triggered within said simulation client;

processing means for comparing said retrieved harvest event data with a list of harvest events that have previously been triggered within said simulation model; and

processing means responsive to determining that said harvest event has not been previously triggered within said simulation model for delivering a testcase identifier identifying said testcase to said testcase server.

9. (Currently Amended) The system of claim 7, wherein said processing means for comparing ~~said testcase list to said harvest hit table~~ further comprises processing means, responsive to finding a given harvest event entry within said harvest hit table that ~~does not~~ is associated with a testcase identifier that does not correspond to a collected testcase within said testcase list, for removing said given harvest event entry from said harvest hit table.

10. (Currently Amended) The system of claim 7, wherein said harvest hit table includes a single testcase entry for each triggered harvest event within said simulation model, said processing means for comparing ~~said testcase list to said harvest hit table~~ further comprising processing means, responsive to finding a collected testcase identifier in said testcase list which

does not correspond to an entry within said harvest hit table, for removing said non-corresponding testcase identifier from said testcase server.

11. (Currently Amended) The system of claim 10, wherein said harvest hit table is maintained by an instrumentation server, said processing means for removing said non-corresponding testcase identifier from said testcase server comprising processing means for including said non-corresponding testcase identifier in a redundant testcase list within said instrumentation server.

12. (Currently Amended) The system of claim 11, wherein said testcase server includes a harvest testcase bucket which maintains all testcases triggering harvest events for said simulation model, said system further comprising:

processing means for delivering said redundant testcase list from said instrumentation server to said testcase server; and

processing means for removing ~~testcases~~ testcase identifiers included within said redundant testcase list from said harvest testcase bucket.

13. (Currently Amended) A ~~computer program product~~ computer-readable medium having encoded thereon computer-executable instructions for resolving testcase collection inconsistencies between a testcase list which includes testcases that have triggered harvest events within a simulation model, and a harvest hit table which records harvest events that have been triggered during simulation of said simulation model, said ~~computer program product~~ computer-executable instructions performing a method comprising:

~~program instructions for~~ updating said harvest hit table from a simulation client to include ~~[[a]] harvest event entries that associate harvest events triggered by [[a]] testcases during simulation of said simulation model~~ with testcase identifiers that identify the corresponding triggering testcases;

~~program instructions for~~ collecting testcase identifiers that identify one or more of said testcases within said testcase list; and

~~program instructions for~~ comparing testcases identified within said testcase list to testcases identified within said harvest hit table to determine inconsistencies therebetween.

14. (Currently Amended) The ~~computer program product~~ computer-readable medium of claim 13, wherein said testcase list is maintained by a ~~harvest~~ testcase server which collects harvest event testcases for said simulation model, said ~~computer program product~~ method further comprising:

~~program instructions~~ for retrieving harvest event data for said harvest event that has been triggered within said simulation client;

~~program instructions~~ for comparing said retrieved harvest event data with a list of harvest events that have previously been triggered within said simulation model; and

~~program instructions~~ responsive to determining that said harvest event has not been previously triggered within said simulation model ~~[[for]]~~ delivering a testcase identifier identifying said testcase to said testcase server.

15. (Currently Amended) The ~~computer program product~~ computer-readable medium of claim 13, wherein said ~~program instructions~~ for comparing said ~~testcase list to said harvest hit table~~ step further comprises ~~program instructions~~ responsive to finding a given harvest event entry within said harvest hit table that ~~does not~~ is associated with a testcase identifier that does not correspond to a collected testcase within said testcase list, ~~[[for]]~~ removing said given harvest event entry from said harvest hit table.

16. (Currently Amended) The ~~computer program product~~ computer-readable medium of claim 13, wherein said harvest hit table includes a single testcase entry for each triggered harvest event within said simulation model, said ~~program instructions~~ for comparing said ~~testcase list to said harvest hit table~~ step further comprising ~~program instructions~~ responsive to finding a collected testcase identifier in said testcase list which does not correspond to an entry within said harvest hit table, ~~[[for]]~~ removing said non-corresponding testcase identifier from said testcase server.

17. (Currently Amended) The ~~computer program product~~ computer-readable medium of claim 16, wherein said harvest hit table is maintained by an instrumentation server, said ~~program instructions~~ for removing said non-corresponding testcase identifier from said testcase server

comprising ~~program instructions for~~ including said non-corresponding testcase identifier in a redundant testcase list within said instrumentation server.

18. (Currently Amended) The ~~computer program product~~ of claim 17, wherein said testcase server includes a harvest testcase bucket which maintains all testcases triggering harvest events for said simulation model, said ~~computer program product~~ method further comprising:

~~program instructions for~~ delivering said redundant testcase list from said instrumentation server to said testcase server; and

~~program instructions for~~ removing ~~testcases~~ testcase identifiers included within said redundant testcase list from said harvest testcase bucket.